

JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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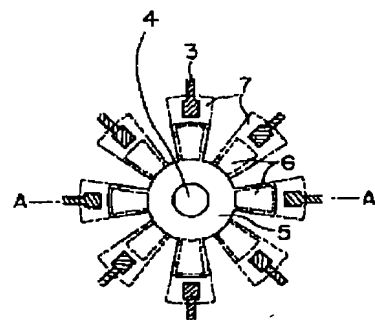
### (54) ELECTROSTATIC MICRO MOTOR

#### (57) Abstract:

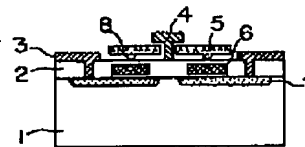
**PURPOSE:** To provide a device structure which can be used as the power source of a small motor, especially a small machine, which can be controlled electrostatically.

**CONSTITUTION:** A rotor 5 is moved in a direction which is parallel to a substrate 1 by utilizing each repulsion force generated by injecting a same type of electric charge between the rotor 5 and a floating electrode 6 which is placed below it. A control electrode 7 is provided below the floating electrode 6 and the distribution of the electric charge of the floating electrode 6 is change by changing the voltage of the control electrode.

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(a)



(b)